

Conventional Art

100

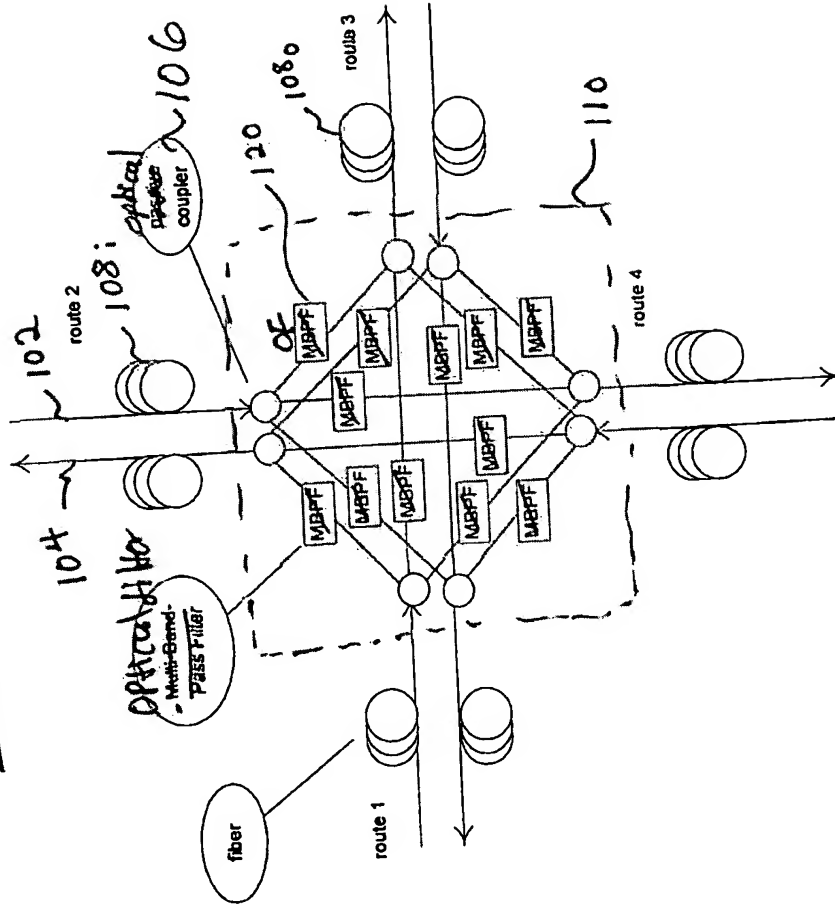


FIG. 1.

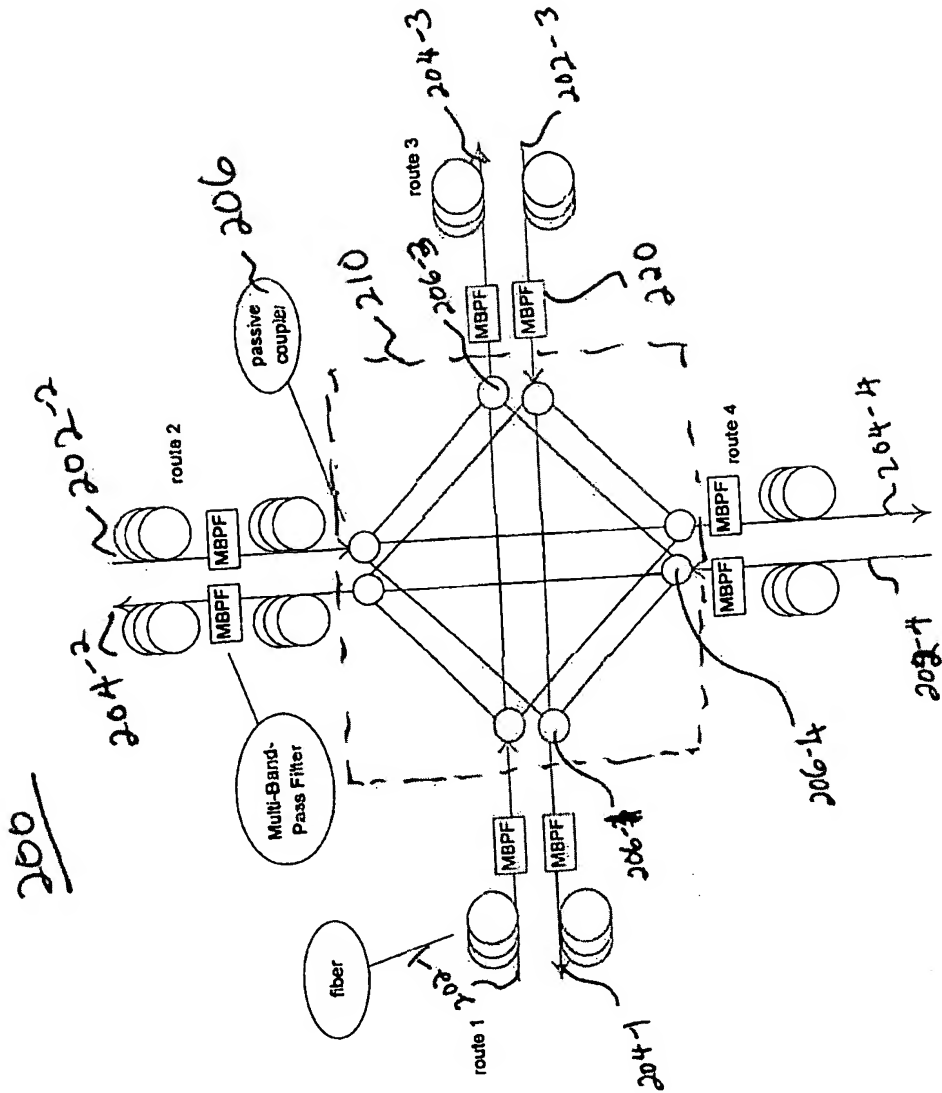
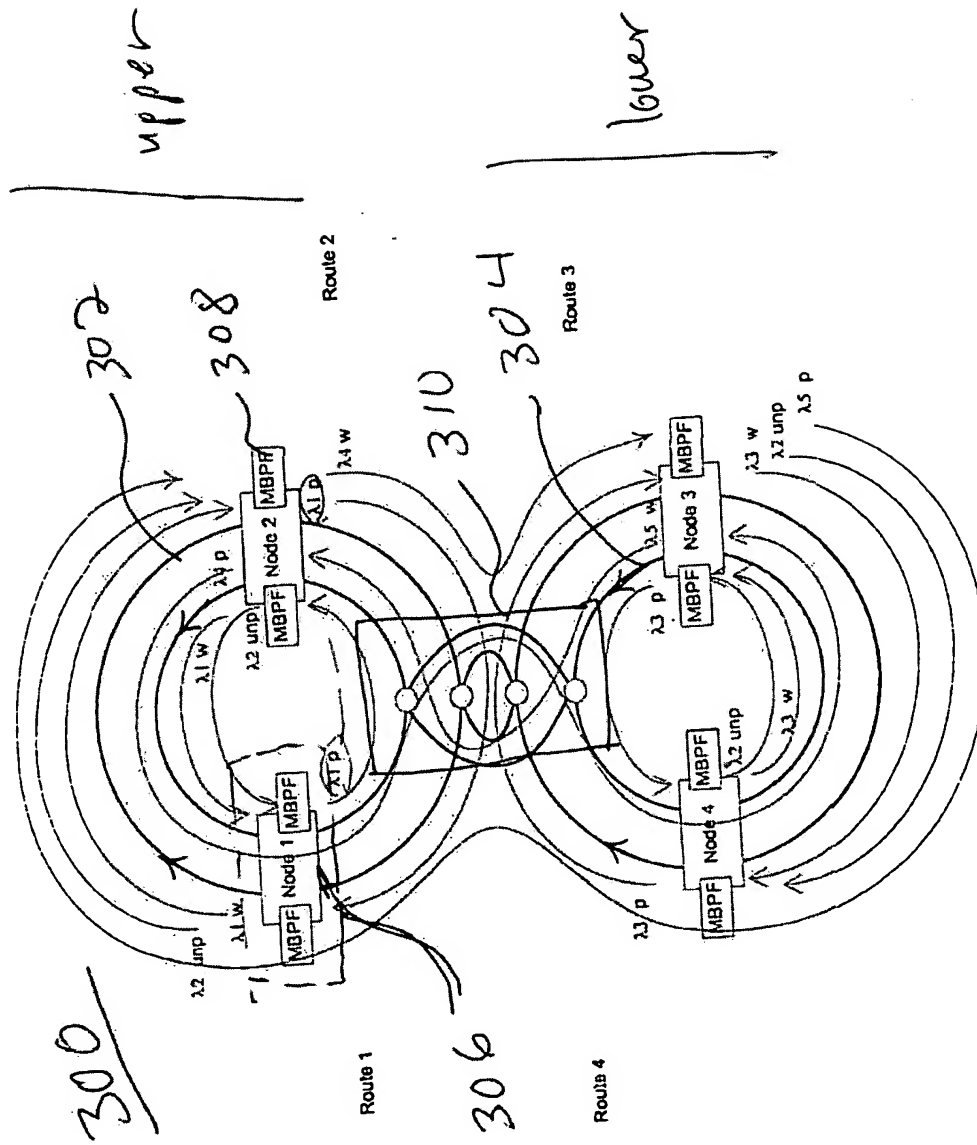


FIG. 2.



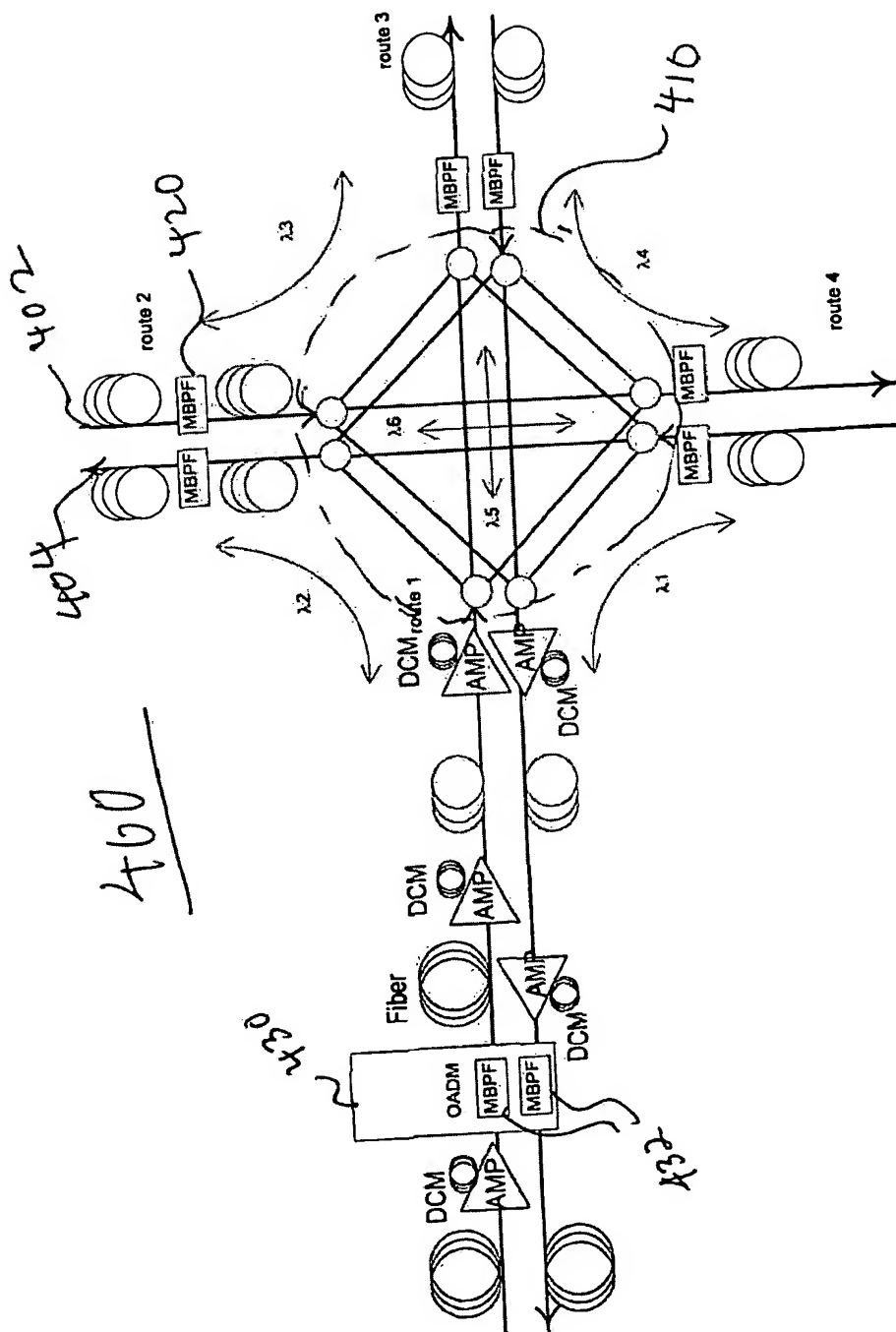


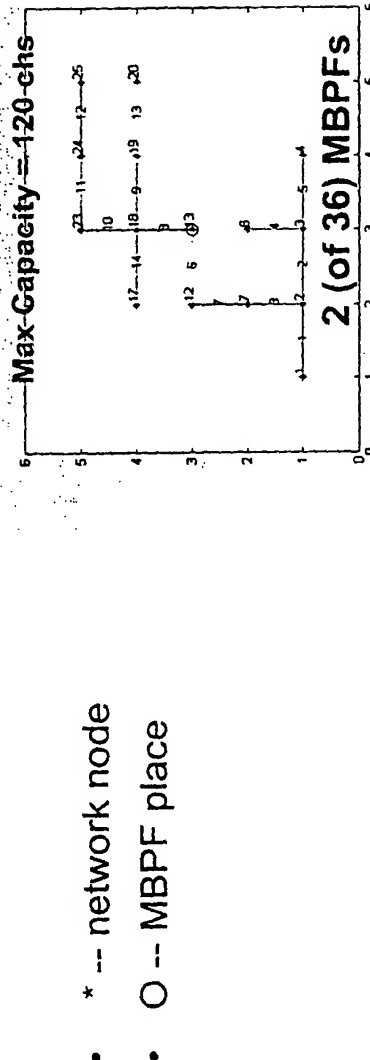
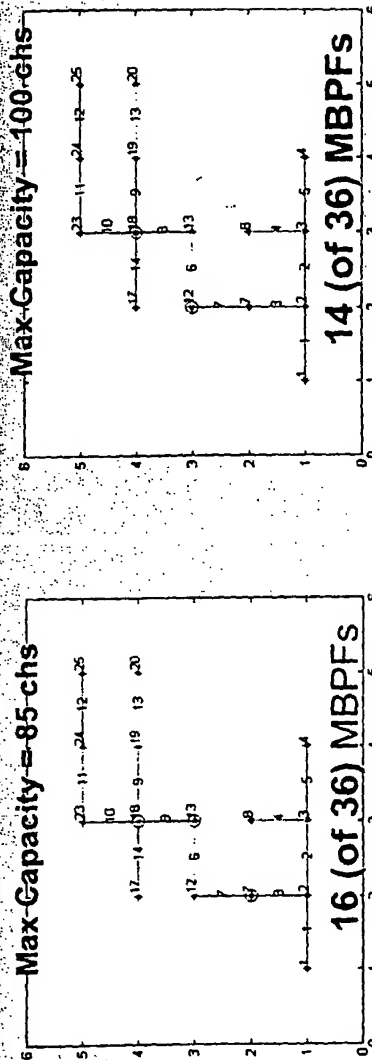
FIG. 4.

Example (model network)

Shows how MBPF count drops with higher system capacity

path = [1 2
2 3
2 7
3 8
3 4
12 13
7 12
13 18
18 19
18 23
23 24
24 25
19 20
17 18];

demand = [1 8 20
2 8 10
2 7 10
2 12 20
2 20 20
17 20 10
13 18 15
12 13 15
12 23 10
18 25 20
13 17 20
13 24 20
7 12 15];



- * -- network node
- O -- MBPF place

FIG. 5

Example using carrier subnet: Ext-band amps, 256 chs max

path =	demand =
1 11 1	1 11 127
4 9 2	11 12 49
11 12 3	12 13 41
13 14 4	13 14 43
14 15 5	14 15 45
9 15 6	11 16 127
11 16 7	16 21 125
15 20 8	21 22 58
12 13 9	22 23 60
16 21 10	23 20 67
20 23 11	20 15 69
21 22 12	9 15 105
22 23 13	4 9 109
23 24 14	4 25 6
24 25 15	23 24 5
4 25 16	1 21 127
	21 4 49
	24 25 5

- * -- network node
- O -- MBPF place
- Note: only 18 out of 40 possible MBPFs deployed!

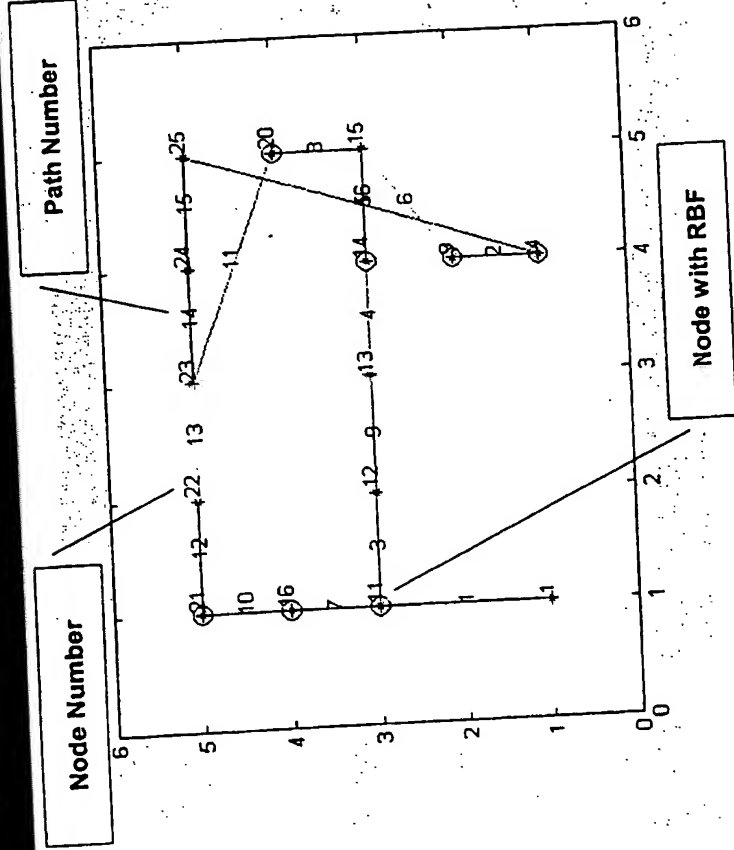


FIG. 6

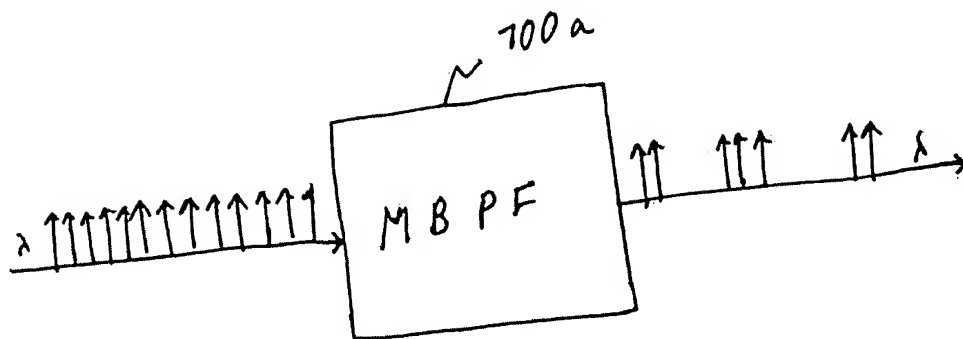


Fig. 7a

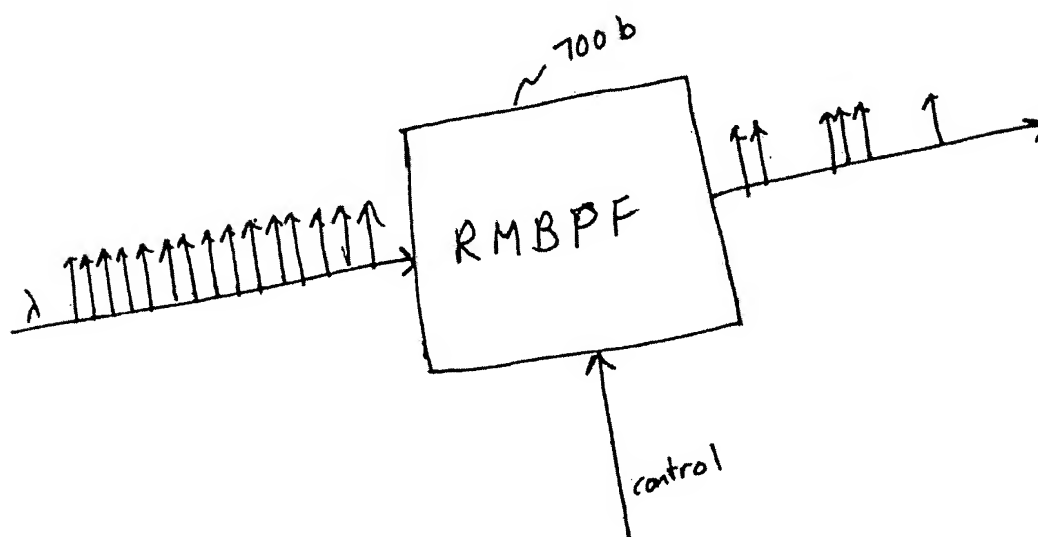


Fig. 7b

800

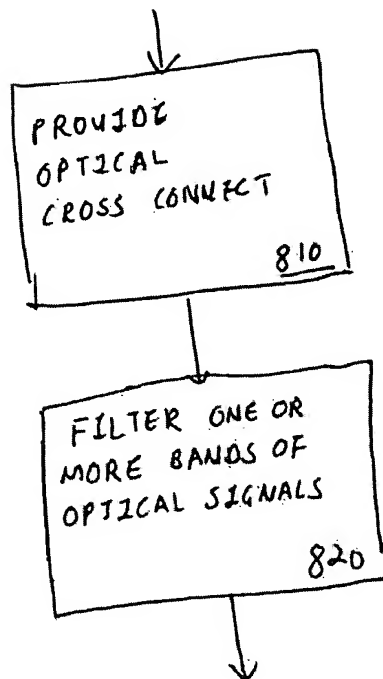


Fig. 8